

## Lewis Basin - WRIA #27

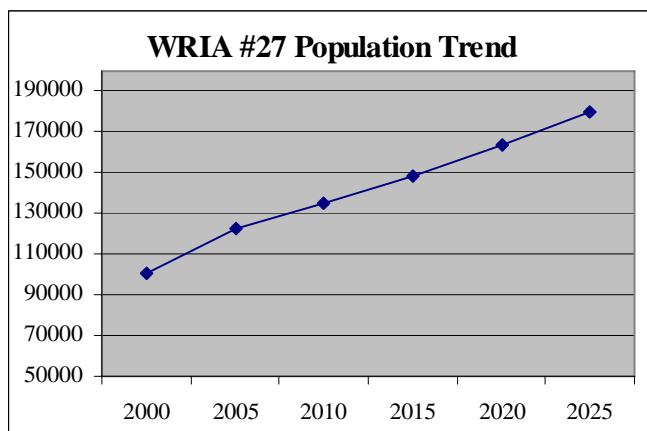


### Watershed Description

**WRIA #27** encompasses nearly 837,325 acres. The Cascades, Puget Lowlands, and Willamette Valley make up the ecoregions for this watershed. Upper basin has U-shaped glaciated valleys, lower basin has floodplains with low gradient meandering streams. Typical soil ranges from deep, silty clay loam to gravelly loam and cobbly loam. Potential natural vegetation includes prairies, Oregon white oak, western hemlock, western red cedar, and Douglas-fir. The average rainfall is about 90 inches per year. The mean low/high temperatures are 31/45° in winter and 47/80° in summer.

### Population

There are approximately 111,539 people living in the Lewis Basin. The primary population centers are Woodland and Ridgefield. The majority of people live in unincorporated areas. The population graph reflects the combined projected population of those counties located within the watershed (Office of Financial Management population projections).



Counties	% of basin
Skamania	49%
Cowlitz	26%
Clark	25%

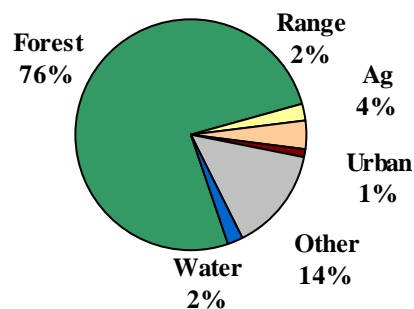
Tribal Reservation Lands in WRIA #27
none

**Land ownership** for WRIA #27 includes federal, state, local, and private lands. Data was derived from the Public Lands Survey by Washington Department of Natural Resources (DNR).

Land Ownership	Acres	Proportion
Federal	365,872	43.7%
State	89,690	10.7%
Local	721	0.1%
Private	381,041	45.5%

**Land use** in the Lewis Basin is mainly forestry and agriculture related uses. The general type of known land-use activities<sup>1</sup> within the watershed is graphed according to the percentage of its occurrence.

#### Land use in the Lewis Basin




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<sup>1</sup> Category "other" may include perennial ice/snow, bare rock/sand/clay, quarries/strip mines/gravel pits, transitional, barren, and/or wetland areas.

**The primary towns and cities in WRIA #27 include** Woodland, Ridgefield, Kalama, and Yacolt.

### **Legislative and Congressional Districts**

To determine your region's legislative or congressional district, see:

<http://www1.leg.wa.gov/DistrictFinder/Default.aspx>

To determine **Latitude/Longitude coordinates**, see:

<http://www.topozone.com/>

(Make sure you set the button on the bottom of the page to D/M/S - hold the cursor over a spot on the map and the coordinates show at the bottom of the screen.)

Several federal programs refer to watersheds according to their Hydrological Unit Code (HUC). To learn more about your watershed and determine which **HUC** your town or county is located in, see:

<http://water.usgs.gov/wsc/>

## **Water Quality**

### **Water Quality Assessment**

The statewide Water Quality Assessment categorizes waterbody segments that have water quality data available. The Simple Query Tool and interactive mapping tool allow you to search for specific categories, waterbodies, pollutant parameters and other information, in whatever combination you choose. **WRIA #27** has thirty-seven (37) known Category 5 (impaired) water bodies.

To view the Water Quality Assessment, use the Simple Query Tool.

<http://apps.ecy.wa.gov/wats/WATSQBEHome.asp>

To view the Water Quality Assessment by Category, choose the Category (1 – 5) you are interested in from the drop down box. To view it by Water Resource Inventory Resource Area (WRIA), choose the WRIA number you are interested in from the drop down box.

Use the Interactive Mapping Tool to see a graphic representation of the Water Quality Assessment. This is a Geographic Information System (GIS) application that helps you find waters you are interested in and information about problems in that water body.

<http://apps.ecy.wa.gov/wqawa/viewer.htm>

## **Domestic Water Supply**

**WRIA #27** has several community water systems that use surface water sources. For further information regarding water supplies, see:

<http://www.doh.wa.gov/ehp/dw/default.htm>

## Salmonid Stock Status

Good water quality is important to help salmon survive and thrive. To find out which salmon species are listed as threatened or endangered in a region, see:

<http://www.governor.wa.gov/gsro/regions/map.htm>

## TMDLs and Other Watershed-Based Plans

For information about Total Maximum Daily Loads (**TMDLs**) in your area, see:

<http://www.ecy.wa.gov/programs/wq/tmdl/>

To learn more about **watershed planning** in Washington State, see:

<http://www.ecy.wa.gov/watershed/index.html>

For **funding applicants**, other useful links can be found at:

<http://www.ecy.wa.gov/programs/wq/funding/links.html>